

Loïc Leclercq

List of Publications by Year in descending order

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67
papers

2,200
citations

201385

27
h-index

233125

45
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80
all docs

80
docs citations

80
times ranked

2464
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphase Microreactors Based on Liquid-Liquid and Gas-Liquid Dispersions Stabilized by Colloidal Catalytic Particles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	51
2	Multiphase Microreactors Based on Liquid-Liquid and Gas-Liquid Dispersions Stabilized by Colloidal Catalytic Particles. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
3	Highly Active, Entirely Biobased Antimicrobial Pickering Emulsions. <i>ChemMedChem</i> , 2021, 16, 2223-2230.	1.6	8
4	Cross-linked poly(4-vinylpyridine) particles for pH- and ionic strength-responsive α -cyclodextrin-off-Pickering emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127705.	2.3	4
5	16 Pickering emulsions and biomass. , 2021, , 537-580.		0
6	How to improve the chemical disinfection of contaminated surfaces by viruses, bacteria and fungus?. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 155, 105559.	1.9	9
7	In vitro study of versatile drug formulations based on β -cyclodextrin and polyethylene glycol using colloidal tectonics. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 59, 101913.	1.4	5
8	One-pot oxidative cleavage of cyclic olefins for the green synthesis of dicarboxylic acids in Pickering emulsions in the presence of acid phosphate additives. <i>Catalysis Science and Technology</i> , 2020, 10, 6723-6728.	2.1	5
9	Phytochemical- and Cyclodextrin-Based Pickering Emulsions: Natural Potentiators of Antibacterial, Antifungal, and Antibiofilm Activity. <i>Langmuir</i> , 2020, 36, 4317-4323.	1.6	17
10	Colloidal tectonics for tandem synergistic Pickering interfacial catalysis: oxidative cleavage of cyclohexene oxide into adipic acid. <i>Chemical Science</i> , 2019, 10, 501-507.	3.7	30
11	Supramolecular Chemistry and Self-Organization: A Veritable Playground for Catalysis. <i>Catalysts</i> , 2019, 9, 163.	1.6	22
12	Hybrid Core-Shell Nanoparticles by Plug and Play Self-Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, 17672-17676.	1.7	11
13	Get Beyond Limits: From Colloidal Tectonics Concept to the Engineering of Eco-Friendly Catalytic Systems. <i>Frontiers in Chemistry</i> , 2018, 6, 168.	1.8	14
14	Supramolecular Big Bang in a Single-Ionic Surfactant/Water System Driven by Electrostatic Repulsion: From Vesicles to Micelles. <i>Langmuir</i> , 2017, 33, 3395-3403.	1.6	6
15	Acidic/amphiphilic silica nanoparticles: new eco-friendly Pickering interfacial catalysis for biodiesel production. <i>Green Chemistry</i> , 2017, 19, 4552-4562.	4.6	68
16	Smart medical textiles based on cyclodextrins for curative or preventive patient care. , 2016, , 391-427.		6
17	Interactions between cyclodextrins and cellular components: Towards greener medical applications?. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2644-2662.	1.3	49
18	Aqueous solutions of didecyldimethylammonium chloride and octaethylene glycol monododecyl ether: Toward synergistic formulations against enveloped viruses. <i>International Journal of Pharmaceutics</i> , 2016, 511, 550-559.	2.6	8

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19	Supramolecular assistance between cyclodextrins and didecyldimethylammonium chloride against enveloped viruses: Toward eco-biocidal formulations. <i>International Journal of Pharmaceutics</i> , 2016, 512, 273-281.	2.6	9
20	Pickering emulsions based on cyclodextrins: A smart solution for antifungal azole derivatives topical delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 82, 126-137.	1.9	78
21	Pickering Interfacial Catalysis for Biphasic Systems: From Emulsion Design to Green Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2006-2021.	7.2	376
22	Self-Assembled Polyoxometalates Nanoparticles as Pickering Emulsion Stabilizers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6326-6337.	1.2	23
23	Synergy between bis(dimethyldioctylammonium) molybdate and tetraethylene glycol monoethyl ether: A winning combination for interfacial catalysis in thermo-controlled and switchable microemulsions. <i>Journal of Molecular Catalysis A</i> , 2015, 397, 142-149.	4.8	8
24	Encapsulation of biocides by cyclodextrins: toward synergistic effects against pathogens. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2603-2622.	1.3	36
25	The liquid crystal state: An intermediate state to obtain crystal packing. <i>Journal of Molecular Liquids</i> , 2014, 200, 283-288.	2.3	1
26	Eco-friendly solvents and amphiphilic catalytic polyoxometalate nanoparticles: a winning combination for olefin epoxidation. <i>Green Chemistry</i> , 2014, 16, 269-278.	4.6	70
27	Transition of cellulose crystalline structure in biodegradable mixtures of renewably-sourced levulinate alkyl ammonium ionic liquids, β -valerolactone and water. <i>Green Chemistry</i> , 2014, 16, 2463-2471.	4.6	52
28	Supramolecular Colloidosomes Based on Tri(dodecyltrimethylammonium) Phosphotungstate: A Bottom-Up Approach. <i>Langmuir</i> , 2014, 30, 5386-5393.	1.6	12
29	Binary and Ternary Phase Behaviors of Short Double-Chain Quaternary Ammonium Amphiphiles: Surface Tension, Polarized Optical Microscopy, and SAXS Investigations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14732-14742.	1.2	12
30	Acidic Three-Phase Microemulsion Systems Based on Balanced Catalytic Surfactant for Epoxidation and Sulfide Oxidation under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 409-420.	2.1	14
31	Modeling of Multiple Equilibria in the Self-Aggregation of Di-n-decyldimethylammonium Chloride/Octaethylene Glycol Monododecyl Ether/Cyclodextrin Ternary Systems. <i>Langmuir</i> , 2013, 29, 6242-6252.	1.6	16
32	Versatile Eco-friendly Pickering Emulsions Based on Substrate/Native Cyclodextrin Complexes: A Winning Approach for Solvent-Free Oxidations. <i>ChemSusChem</i> , 2013, 6, 1533-1540.	3.6	53
33	Rhodium-Catalyzed Hydroformylation Promoted by Modified Cyclodextrins: Current Scope and Future Developments. , 2013, , 36-63.		2
34	Pickering Emulsion Stabilized by Catalytic Polyoxometalate Nanoparticles: A New Effective Medium for Oxidation Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 14352-14358.	1.7	99
35	Aqueous mixtures of di-n-decyldimethylammonium chloride/polyoxyethylene alkyl ether: Dramatic influence of tail/tail and head/head interactions on co-micellization and biocidal activity. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 176-186.	5.0	25
36	Supramolecular effects on the antifungal activity of cyclodextrin/di-n-decyldimethylammonium chloride mixtures. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 336-345.	1.9	24

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37	Inclusion of tetrabutylammonium cations in a chiral thiazolium/triflate network: Solid state and solution structural investigation. <i>Journal of Molecular Structure</i> , 2012, 1010, 152-157.	1.8	12
38	Counter Anion Effect on the Self-Aggregation of Dimethyl-di- <i>N</i> -octylammonium Cation: A Dual Behavior between Hydrotropes and Surfactants. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11619-11630.	1.2	13
39	Influence of the Flexibility of the Diimidazolium Cations on Their Organization into Crystalline Materials. <i>Crystal Growth and Design</i> , 2011, 11, 3828-3836.	1.4	14
40	Imidazolium Cations in Organic Chemistry: From Chemzymes to Supramolecular Building Blocs. <i>Current Organic Chemistry</i> , 2010, 14, 1500-1516.	0.9	28
41	Stepwise Aggregation of Dimethyl-di- <i>N</i> -octylammonium Chloride in Aqueous Solutions: From Dimers to Vesicles. <i>Langmuir</i> , 2010, 26, 1716-1723.	1.6	27
42	Structure-activity relationship of cyclodextrin/biocidal double-tailed ammonium surfactant host-guest complexes: Towards a delivery molecular mechanism?. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 265-275.	1.9	25
43	Kinetic Resolution of Racemic Secondary Alcohols Mediated by <i>N</i> -Methylimidazole in the Presence of Optically Active Acyl Chlorides. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2696-2700.	1.2	15
44	<i>N,N</i> -Methylenediimidazolium Salts: From Self-Assembly to an Efficient DNase Protection System. <i>Chemistry - A European Journal</i> , 2010, 16, 4686-4692.	1.7	20
45	β -Cyclodextrins modified by alkyl and poly(ethylene oxide) chains: A novel class of mass transfer additives for aqueous organometallic catalysis. <i>Journal of Molecular Catalysis A</i> , 2010, 318, 8-14.	4.8	23
46	Assembly of Tunable Supramolecular Organometallic Catalysts with Cyclodextrins. <i>Organometallics</i> , 2010, 29, 3442-3449.	1.1	17
47	Thermoregulated Microemulsions by Cyclodextrin Sequestration: A New Approach to Efficient Catalyst Recovery. <i>Chemistry - A European Journal</i> , 2009, 15, 6327-6331.	1.7	36
48	Supramolecular encapsulation of 1,3-bis(1-adamantyl)imidazolium chloride by β -cyclodextrins: towards inhibition of C(2)-H/D exchange. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 91-95.	0.9	15
49	1,3-Dibenzylimidazolium salts: A paradigm of water and anion effect on the supramolecular H-bonds network. <i>Journal of Molecular Structure</i> , 2009, 918, 101-107.	1.8	19
50	Development of <i>N,N</i> -Diaromatic Diimidazolium Cations: Arene Interactions for Highly Organized Crystalline Materials. <i>Crystal Growth and Design</i> , 2009, 9, 4784-4792.	1.4	29
51	Recognition of 1,4-Xylylene Binding Sites in Polyimidazolium Cations by Cucurbit[7]uril: Toward Pseudorotaxane Assembly. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9493-9498.	1.2	22
52	Supramolecular effects involving the incorporation of guest substrates in imidazolium ionic liquid networks: Recent advances and future developments. <i>Supramolecular Chemistry</i> , 2009, 21, 245-263.	1.5	59
53	On the solid state inclusion of tetrabutylammonium cation in the imidazolium/trifluoromethanesulfonate H-bonds network observed in ionic co-crystals. <i>Journal of Molecular Structure</i> , 2008, 892, 433-437.	1.8	10
54	Fine tuning of sulfoalkylated cyclodextrin structures to improve their mass-transfer properties in an aqueous biphasic hydroformylation reaction. <i>Journal of Molecular Catalysis A</i> , 2008, 286, 11-20.	4.8	26

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55	N,N'-4-Disubstituted Methylenediimidazolium Salts: A Versatile Guest for Various Macrocycles. <i>Journal of Organic Chemistry</i> , 2008, 73, 3784-3790.	1.7	45
56	Biphasic hydroformylation in ionic liquids: interaction between phosphane ligands and imidazolium triflate, toward an asymmetric process. <i>Chemical Communications</i> , 2008, , 311-313.	2.2	33
57	Study of the Supramolecular Cooperativity in the Multirecognition Mechanism of Cyclodextrins/Cucurbituril/Disubstituted Diimidazolium Bromides. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14176-14184.	1.2	38
58	Multiple Equilibria in the Complexation of Dibenzylimidazolium Bromide Salts by Cyclodextrins: Toward Controlled Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11064-11070.	1.2	16
59	Dibenzylimidazolium Halides: From Complex Molecular Network in Solid State to Simple Dimer in Solution and in Gas Phase. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4996-5001.	1.1	19
60	Rhodium-Catalyzed Hydroformylation Promoted by Modified Cyclodextrins: Current Scope and Future Developments. <i>Current Organic Synthesis</i> , 2008, 5, 162-172.	0.7	50
61	Halide-free highly-pure imidazolium triflate ionic liquids: Preparation and use in palladium-catalysed allylic alkylation. <i>Green Chemistry</i> , 2007, 9, 1097.	4.6	52
62	Biphasic aqueous organometallic catalysis promoted by cyclodextrins: Can surface tension measurements explain the efficiency of chemically modified cyclodextrins?. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 481-487.	5.0	77
63	Heptakis(2,3-di-O-methyl-6-O-sulfopropyl)- β -cyclodextrin: A Genuine Supramolecular Carrier for Aqueous Organometallic Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 379-386.	2.1	38
64	Two-Phase Hydroformylation of Higher Olefins Using Randomly Methylated β -Cyclodextrin as Mass Transfer Promoter: A Smart Solution for Preserving the Intrinsic Properties of the Rhodium/Trisulfonated Triphenylphosphine Catalytic System. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 55-59.	2.1	41
65	Rhodium Complexes Non-Covalently Bound to Cyclodextrins: Novel Water-Soluble Supramolecular Catalysts for the Biphasic Hydroformylation of Higher Olefins. <i>Chemistry - A European Journal</i> , 2005, 11, 6228-6236.	1.7	31
66	Sulfonated Xantphos Ligand and Methylated Cyclodextrin: A Winning Combination for Rhodium-Catalyzed Hydroformylation of Higher Olefins in Aqueous Medium. <i>Organometallics</i> , 2005, 24, 2070-2075.	1.1	66
67	Importance of Dialkyldimethyl Ammonium Chloride / Polyoxyethylene Alkyl Ether interactions: Application to Detergent/disinfectant Formulations. , 0, , .		0